

IN THE CLAIMS:

Please amend Claim 1, and add Claims 19 to 30, as follows. Please cancel

Claims 2, 3, 6, 8 to 11 and 16 to 18 without prejudice or disclaimer of subject matter.

- Sub 617
Comb
1. (Currently Amended) An image sensing apparatus comprising:
- a radiation generating apparatus ~~that generates~~ for generating radiation;
- input means used for inputting at least one of an exposure preparation signal
- and an exposure request signal for said radiation generator;
- a sensor ~~portion~~ unit including a plurality of pixels for detecting an object
- image;
- a first power supply circuit adapted to supply electrical power to said sensor
- unit;
- a read-out circuit adapted to read out signals from the plurality of pixels;
- a second power supply circuit adapted to supply ~~electric~~ electrical power to
- said ~~sensor portion~~ and to said read-out circuit; and independently;
- ~~an exposure permission timer adapted to generate a radiation exposure~~
- ~~permission signal to said radiation generating apparatus a predetermined time after said~~
- ~~power supply circuit supplies the electric power to said sensor portion; and~~
- a control circuit adapted to control said radiation generating apparatus, said
- sensor unit, said first power supply circuit, said read-out circuit and said second power
- supply circuit, ~~power supply circuit so as to supply the electric power to said sensor portion~~
- ~~at a first timing and supply the electric power to said read-out circuit in association with the~~
- ~~radiation exposure permission signal generated by said exposure permission timer~~
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cont

wherein said control circuit controls said second power supply circuit to start a supply of the electrical power to said read-out circuit after or at the same time of controlling said first power supply circuit to supply the electrical power to said sensor unit.

2. to 18. (Cancelled)

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19. (New) An image sensing apparatus according to Claim 1, wherein said control circuit controls said second power supply circuit to start supply of electrical power to said read-out circuit on the basis of a timing of receiving an exposure completion signal for said radiation generating apparatus.

20. (New) An image sensing apparatus according to Claim 19, wherein said exposure completion signal is generated by a radiation exposure dose monitor (AEC) in accordance with reception of radiation, or by a monitor circuit for monitoring the electrical power of said radiation generating apparatus.

21. (New) An image sensing apparatus according to Claim 1, further comprising an exposure permission timer adapted to generate a radiation exposure permission signal for said radiation generating apparatus to generate radiation after a predetermined time elapses from the electrical power supply from said first power supply circuit to said sensor unit, and

wherein said control circuit controls said second power supply circuit to start a supply of electrical power to said read-out circuit on the basis of a timing of generating a radiation exposure permission signal.

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cont

22. (New) An image sensing apparatus according to Claim 21, wherein said exposure permission timer generates the radiation exposure permission signal to said radiation generating apparatus to generate radiation on the basis of a time required to obtain a stable state of said sensor unit.

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23. (New) An image sensing apparatus according to Claim 21, wherein said exposure permission timer generates the radiation exposure permission signal to said radiation generating apparatus to generate radiation on the basis of a time required to obtain a stable state of an offset of said sensor unit.

24. (New) An image sensing apparatus according to Claim 21, wherein said exposure permission timer checks in a real time manner an offset amount of said sensor unit, and generates the radiation exposure permission signal to said radiation generating apparatus on the basis of the checked offset amount.

25. (New) An image sensing apparatus according to Claim 25, wherein said control circuit controls said second power supply circuit to start a supply of electrical power to said read-out circuit on the basis of a timing of inputting the exposure preparation signal or the exposure request signal from said input means.

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control

26. (New) An image sensing apparatus according to Claim 1, wherein said control circuit controls said read-out circuit to read-out a data from said sensor unit, and controls said second power supply circuit to stop a supply of electrical power to said read-out circuit on the basis of a timing of the completion of a read-out operation.

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27. (New) An image sensing apparatus according to Claim 1, wherein said control circuit controls said first power supply circuit to start a supply of electrical power to said sensor unit on the basis of a timing of inputting the exposure preparation signal.

28. (New) An image sensing apparatus according to Claim 27, wherein said control circuit controls said sensor unit to start an offset correction on the basis of the timing of inputting the exposure preparation signal, and said radiation generating apparatus to expose the radiation at a timing of completing the offset correction.

29. (New) An image sensing apparatus according to Claim 26, wherein said control circuit controls said read-out circuit to read-out a data from said sensor unit, and controls said first power supply circuit to stop a supply of electrical power to said read-out circuit on the basis of a timing of the completion of a read-out operation.

30. (New) An image sensing apparatus according to Claim 1, wherein said read-out circuit comprises at least one of a preamplifier, a sample hold, a multiplexer, and an A/D converter.